

Christ Church Action Plan for Mathematics

2016-2017

Overall Aims: To improve the teaching of mathematics throughout school, which will enable all children to improve and develop their mathematical skills.

To increase the percentage of pupils meeting the end of year expectations particularly at KS1 and KS2

To use assessment to identify key areas to develop and identify children who need Precision teaching, pre teaching and intervention to remain on track with their year group. To develop a mastery maths approach to the curriculum in school to ensure children can deepen their learning within the maths curriculum.

What do we want to achieve? Objectives	What are we going to do? Strategies	Who will be involved and what staff development implications are there	How will we know if we have achieved our objective?	What are the financial implications and how is it to be funded	Review Date
To increase and develop the use of numicon in KS2.	A member of staff from each Phase is going to be given a morning out of class to look at the Numicon resources for their Phase. They are going to develop a plan of how numicon can be used in their Phase.	Phase 4 - L Jackson Phase 3 - J Alexander	Numicon will be being used throughout school to support the teaching of mathematics. Juniors will be more confident with their understanding and results will increase.	Release time	Spring 2017
To identify areas of weakness in mathematical understanding and address misconceptions	From weekly and half termly assessments identify areas of weakness that need to be developed. Teachers to use long	All Staff	Common misconceptions will be addressed. Children will have a consolidated understanding and be	NA	Spring 2017

	<p>and medium term overviews to inform planning of daily precision teaching. This will focus on one key concept per week.</p> <p>The use of pre teaching two weeks before concepts taught. This will provide children with a good understanding prior to lesson.</p>		<p>able to use mathematical language.</p> <p>Clear progress will be identified in the areas of weakness.</p>		
<p>To improve mental maths skills across the school</p>	<p>At the start of every lesson teaching staff will have a 15 minute daily focus on mental maths which links to lesson focus for that week or misconceptions.</p>	<p>All Staff</p>	<p>Increase in scores will be evident - Big maths weekly and half termly assessments. Children will be able to apply these skills across a range of mathematical concepts with speed and accuracy.</p>	<p>N/A</p>	<p>Spring 2017</p>
<p>To develop teachers knowledge of the teaching of the mastery curriculum for mathematics with a focus on reasoning.</p>	<p>Ensure consistency of teaching of mathematics throughout school. Support teacher's subject knowledge on the teaching of mathematics to develop and</p>	<p>Planning to include activities for the basic, advancing and deep level of learning. Use of questioning skills to deepen children's knowledge and understanding.</p>	<p>Skills Audit to identify areas for training and development of staff. Calculations policy to be updated to ensure consistency across the school is being achieved i.e. All the methods will be taught</p>	<p>N/A</p> <p>staff to be encouraged to attend Free CPD LIME events at Radcliffe school which focus on Mastery</p> <p>L.J to deliver and share best practise from</p>	<p>Spring 2017</p>

	strengthen the mastery curriculum.	To develop the use of a variety of mastery resources from: Focus, White Rose, mathshub, nctm and oxford owl. Training session looking at the teaching of methods within school to ensure consistency throughout school.	the same way in every class. Mastery evident in books through an increased understanding of problem solving and reasoning questions.	relevant CPD training attended.	
To be aware of current mathematical resources around school and to replenish when necessary.	Audit resources	LJ	Full inventory of resources and staff know what is available and where it is stored.	Release Time	Spring 2017
To analyse data throughout the school	Identify training needs for staff and monitor how well groups are doing.	LJ SLT	Staff will be confident in identified areas. Identified groups will meet end of year targets. Key stage 2 results will show an increase in results, with over 65% of children meeting the expected standard in mathematics.	Release time	Spring 2017

